

## TECHNIQUES FOR SYNTHESIS INTEGRITY EVALUATION UTILIZING CYCLE FIDELITY PROBES

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### ABSTRACT

Techniques for designing polymer probes to verify the integrity of the probe synthesis are provided. Multiple probes with identical sequences are designed so that the probes will be formed utilizing at least one different monomer addition cycle. Based on the probes affinity to a control target, variations (*e.g.*, errors) in probe synthesis may be identified.